

$$F_1 = 2.27 \times 10^5 \text{N/C}$$
 $F_2 = 1.67 \times 10^5 \text{N/C}$

FIDEL -10 NC

$$E_1 : E_1 = 1.76 \times 10^5 \text{ M/C}$$
 $E_1 = +5.14 \times 10^5 \text{ M/C}$
 $E_2 = +5.14 \times 10^5 \text{ M/C}$
 $E_3 = +5.14 \times 10^5 \text{ M/C}$
 $E_4 = +5.14 \times 10^5 \text{ M/C}$
 $E_5 = +5.14 \times 10^5 \text{ M/C}$
 $E_6 = +5.14 \times 10^5 \text{ M/C}$
 $E_7 = -10 \times 10^5$

$$L = 10 \times 10^{2} \text{ M}$$
 $L = 10 \times 10^{2} \text{ M}$ $E_{2} : E_{2} = 83,470.1 \text{ MIC} = E_{2}$

$$\frac{10 \times 10^{-2} \text{ M}}{10 \times 10^{-2} \text{ M}}$$

$$\frac{10 \times 10^{-2} \text{ M}}{10 \times 10^{-2} \text{ M}}$$

$$E_{1} = +5.14 \times 10^{4} \text{ M/C}$$

$$= \frac{1-10 \times 10^{2} \text{ C}}{10 \times 10^{2} \text{ M}}$$

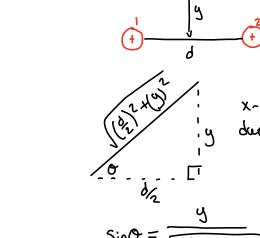
$$= 8.99 \times 10^{9} \text{ Mm}^{2}/\text{c}^{2}$$

$$\frac{\lambda = 10 \times 10^{2} \text{cl}}{10 \times 10^{-2} \text{m}} \qquad E_{2} = 2 E_{2} = 1.67 \times 10^{5} \text{ MIC}$$

$$C = 2.0 \times 10^{-2} \text{m}$$

Egy= Egsino

$$E_3 = 2.87 \times 0^5 \text{NIC}$$



$$\int_{E} \frac{4Ky\lambda}{\left(\frac{d}{2}\right)^2 + (\gamma)^2} \frac{4ky\lambda}{\left(\frac{d}{2}\right)^2 + \gamma^2}$$

Eine =
$$\frac{2 \times 2}{\Gamma}$$

Eine = $\frac{2}{\Gamma}$

Eine =

x-components will concel out due to symmetry.

$$E_{\text{net}} = E_1 + E_2$$

$$E_{1x} + E_{1y} \quad E_{2x} + E_{1y}$$

$$E_{net} = E_{1y} + E_{1y}$$

$$SinO = \frac{y}{\left(\frac{d}{2}\right)^2 + y^2}$$

$$E_{net} = E_1 + E_2$$

$$E_{1x} + E_{1y}$$

$$E_{2x} + E_{2y}$$

$$E_{1y} + E_{3y}$$

$$E_{1y} + E_{2y}$$

$$E_{1y}$$

26.Ca.3

E₃=E₄ > E₂ > E₁

2.

4.

Due to density of lines